

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003547.D
 Acq On : 21 Jul 2018 11:26
 Operator : JC/SP
 Sample : VX0721MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBL01

Quant Time: Jul 23 01:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	306740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	416516	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	379604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207764	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	177873	48.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.98%	
35) Dibromofluoromethane	5.51	113	170265	53.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.34%	
50) Toluene-d8	8.72	98	587294	49.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.14	95	197186	45.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.62%	

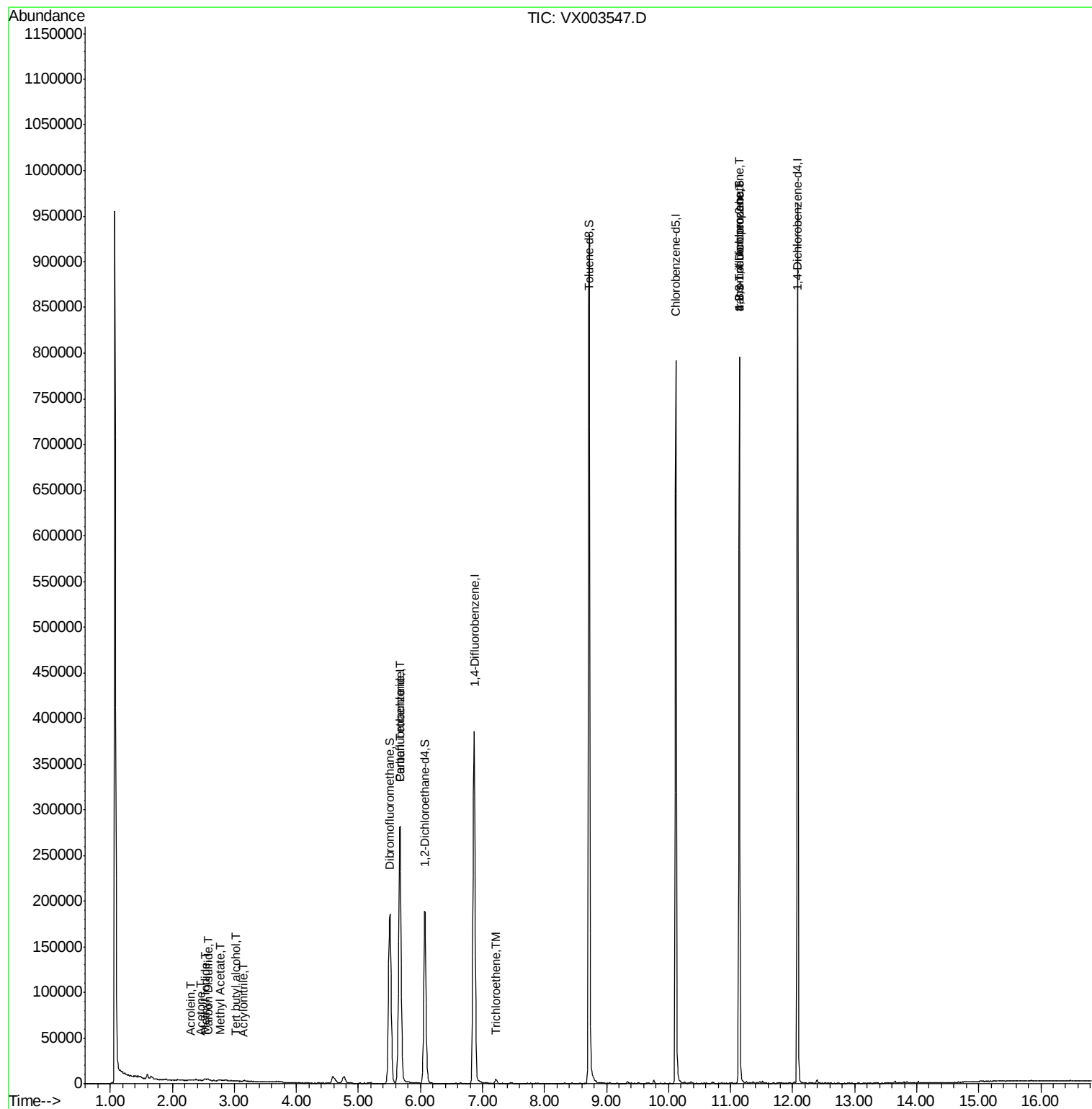
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	205	Below Cal		74
3) Chloromethane	1.32	50	623	Below Cal		97
5) Bromomethane	1.65	94	1512	Below Cal		100
10) Methyl Iodide	2.53	142	2160	0.53	ug/l	95
11) Tert butyl alcohol	3.03	59	326	0.45	ug/l #	73
13) Acrolein	2.30	56	192	0.59	ug/l #	77
15) Acrylonitrile	3.14	53	407	0.22	ug/l #	59
16) Acetone	2.45	43	583	0.43	ug/l #	87
17) Carbon Disulfide	2.57	76	2236	0.26	ug/l	98
18) Methyl Acetate	2.78	43	959	0.22	ug/l #	79
20) Methylene Chloride	2.86	84	469	Below Cal	#	81
38) Carbon Tetrachloride	5.67	117	24892	5.64	ug/l #	17
44) Trichloroethene	7.21	130	2070	0.51	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	94251	25.25	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94251	70.69	ug/l #	7

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 01:34:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

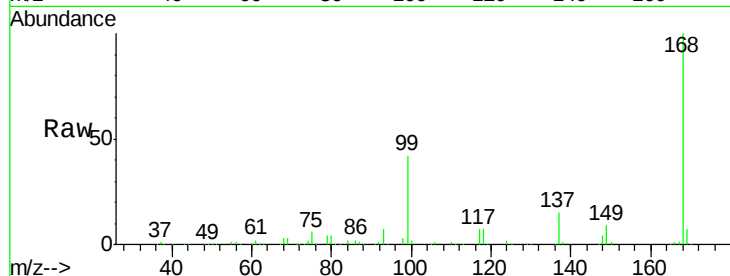
VX0721MBL01

Tot Ion:168 Resp: 306740

Ion Ratio Lower Upper

168 100

99 42.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

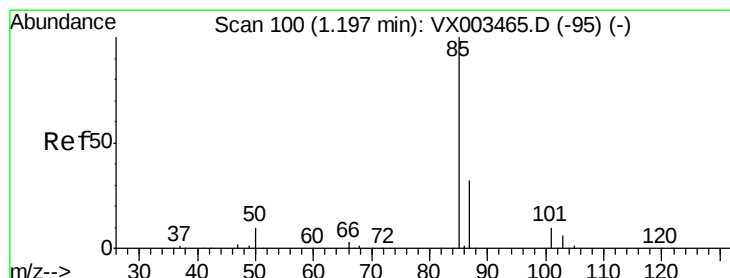
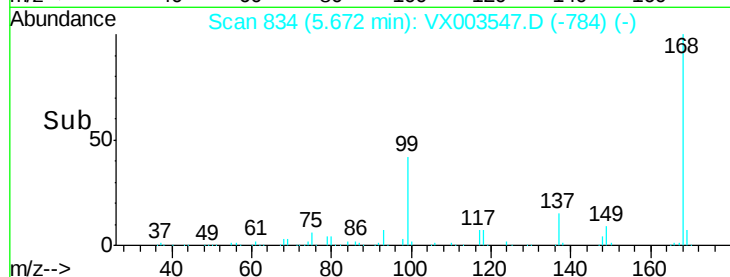
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003547.D

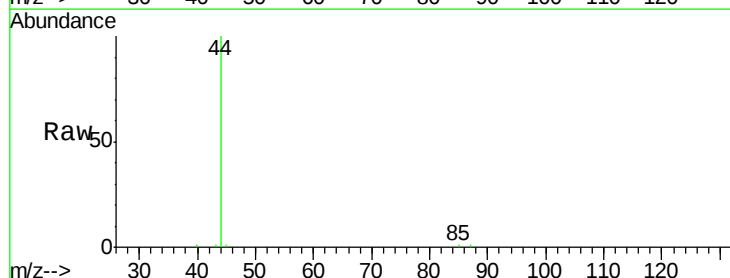
Acq: 21 Jul 2018 11:26

Tgt Ion: 85 Resp: 205

Ion Ratio Lower Upper

85 100

87 46.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150

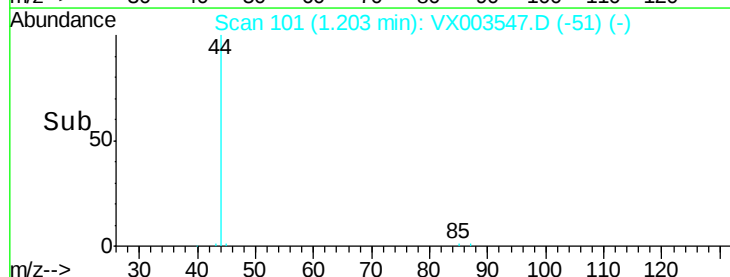
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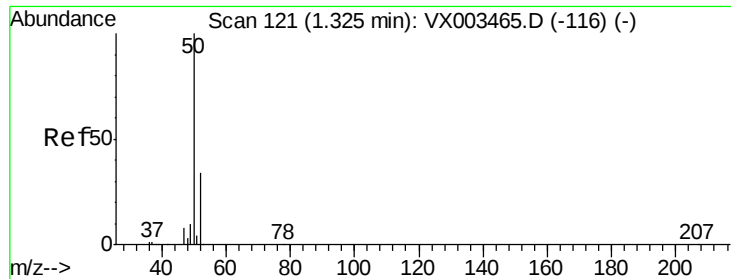
50

0

Time-->

1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

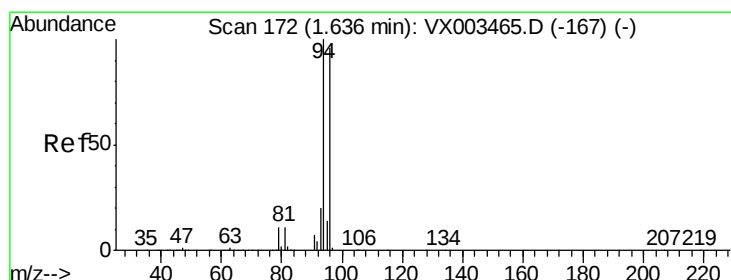
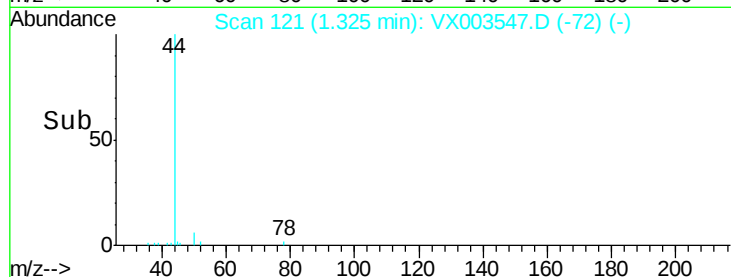
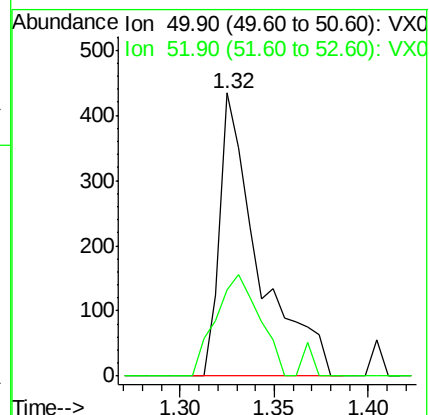
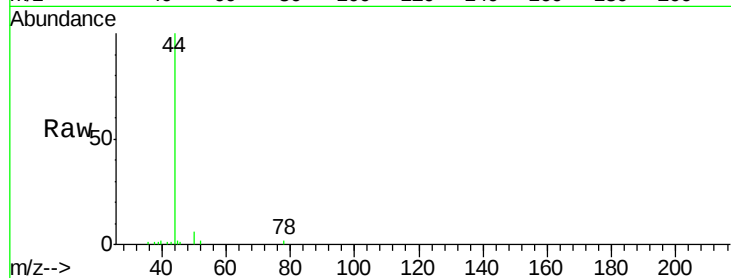
VX0721MBL01

Tot Ion: 50 Resp: 623

Ion Ratio Lower Upper

50 100

52 30.6 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003547.D

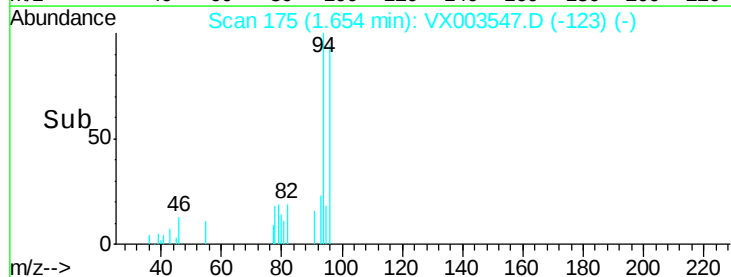
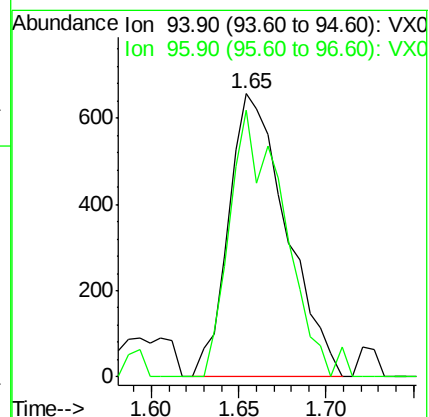
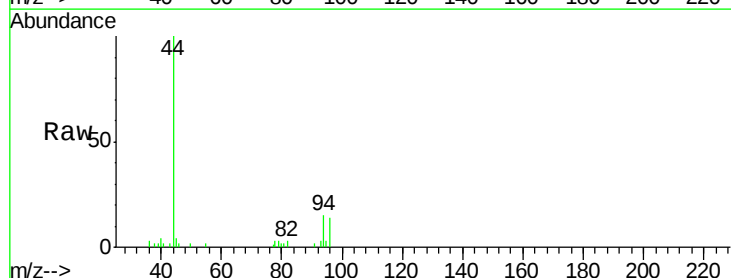
Acq: 21 Jul 2018 11:26

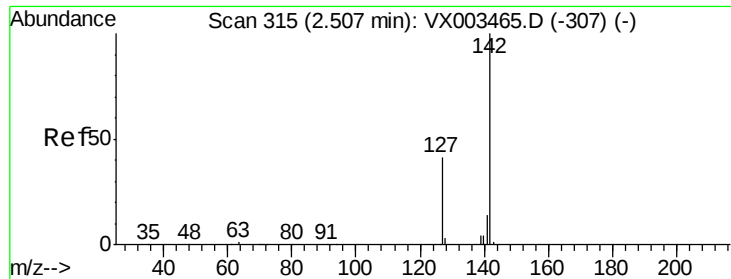
Tgt Ion: 94 Resp: 1512

Ion Ratio Lower Upper

94 100

96 94.1 74.9 112.3

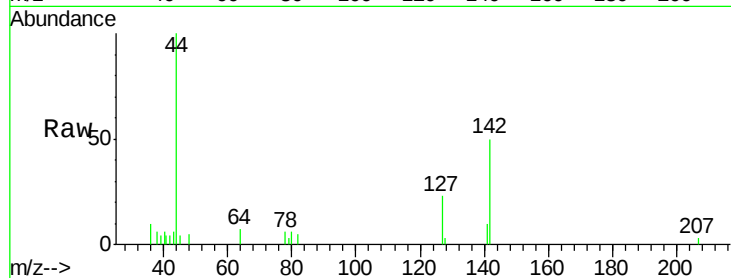




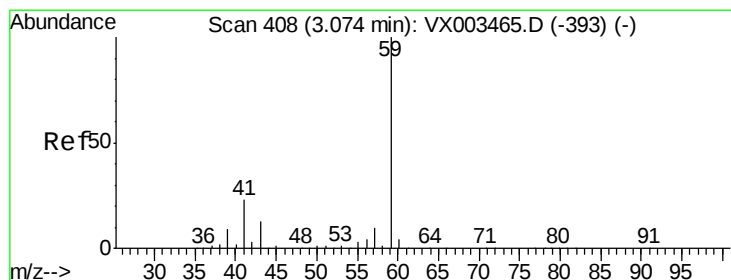
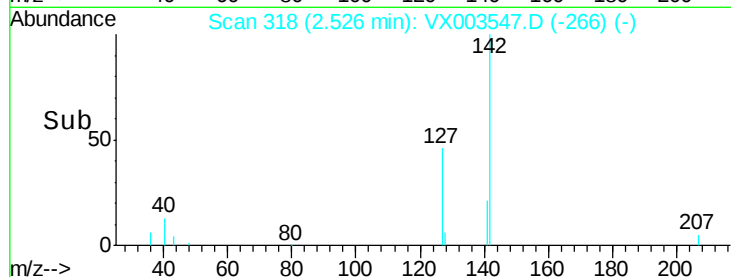
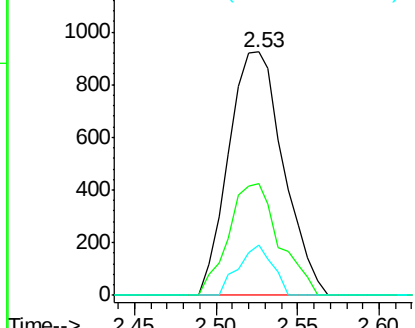
#10
Methyl Iodide
Concen: 0.53 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampled :
VX0721MBL01

Tot Ion:142 Resp: 2160
Ion Ratio Lower Upper
142 100
127 42.4 36.6 55.0
141 12.8 11.3 16.9

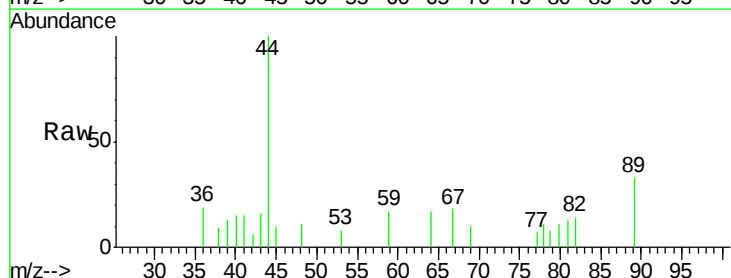


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

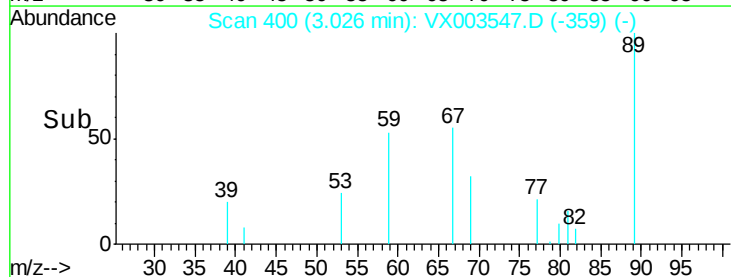
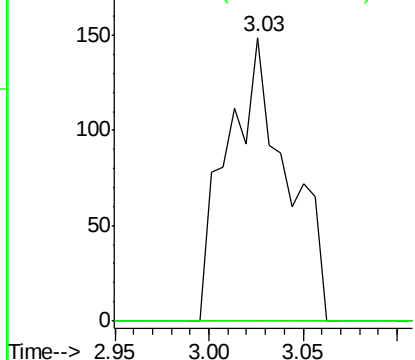


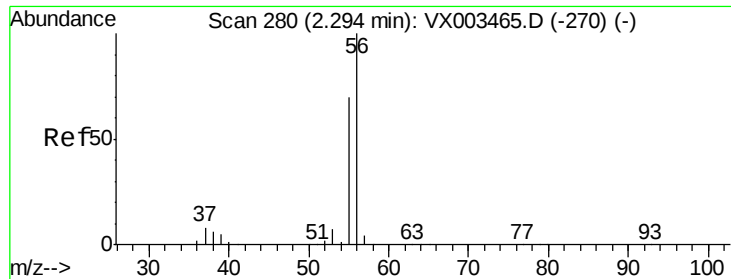
#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

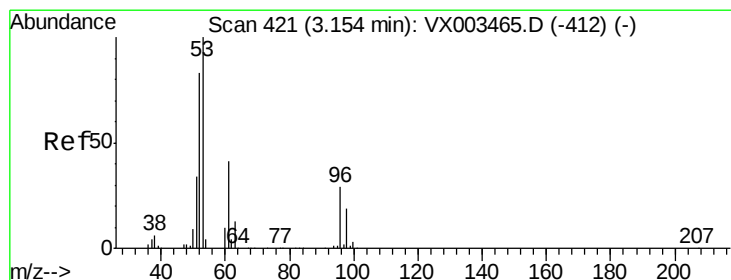
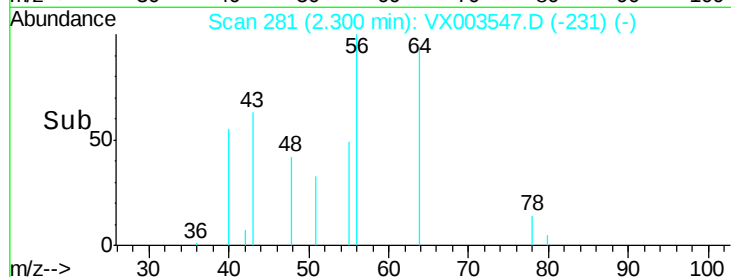
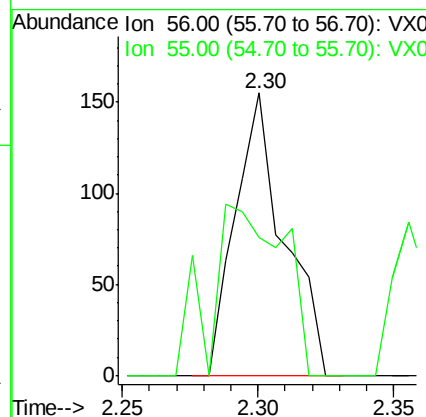
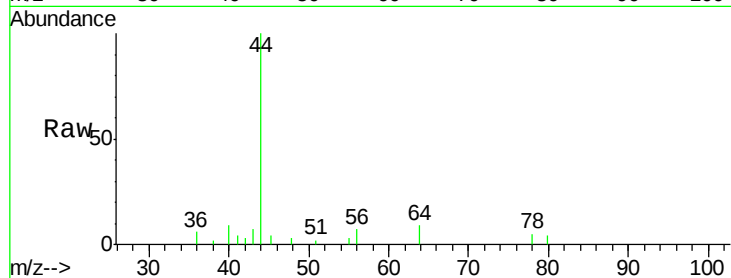




#13
Acrolein
Concen: 0.59 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

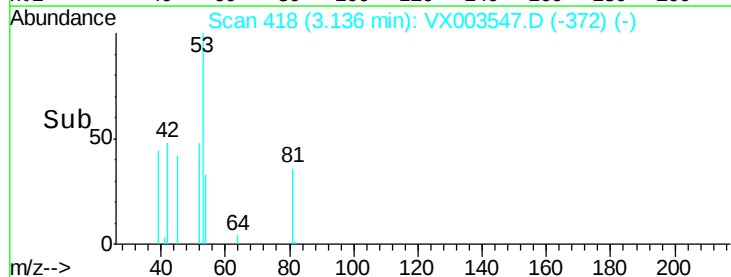
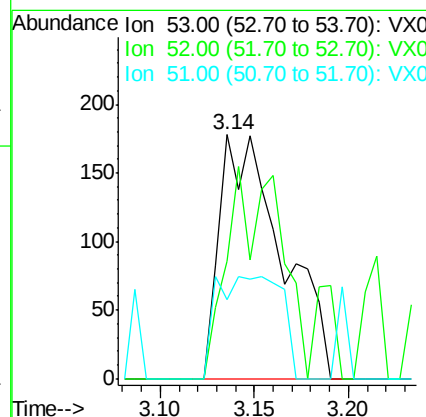
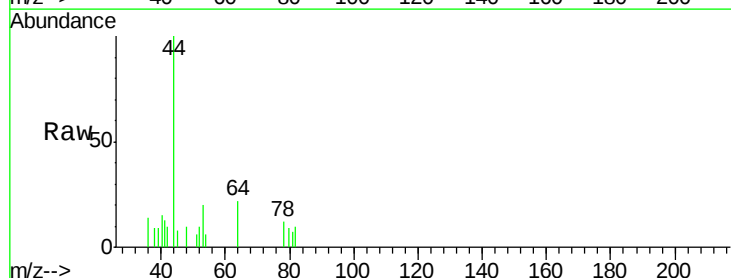
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBL01

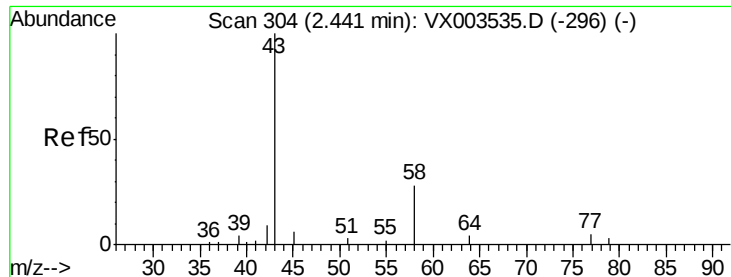
Tot Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 90.6 57.0 85.4#



#15
Acrylonitrile
Concen: 0.22 ug/l
RT: 3.14 min Scan# 418
Delta R.T. -0.02 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

Tgt Ion: 53 Resp: 407
Ion Ratio Lower Upper
53 100
52 34.2 66.7 100.1#
51 44.0 29.9 44.9





#16

Acetone

Concen: 0.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampled :

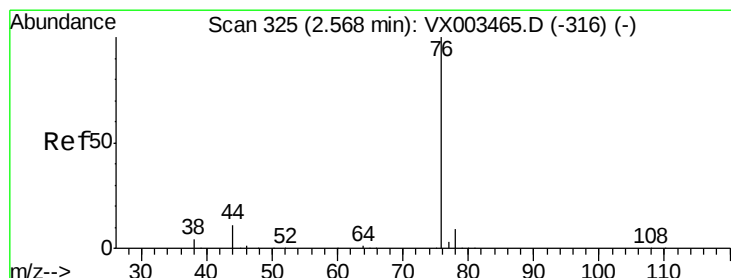
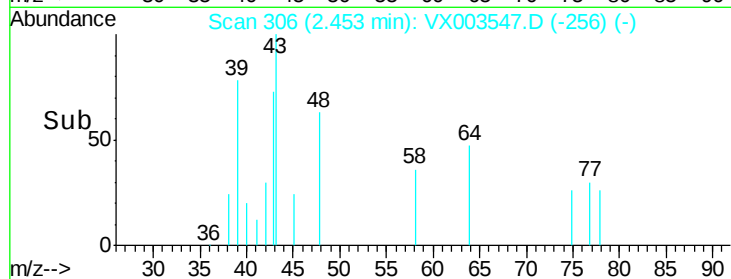
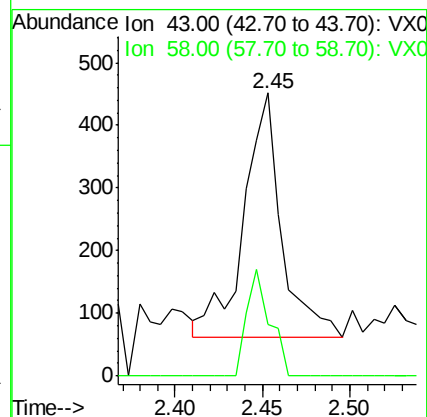
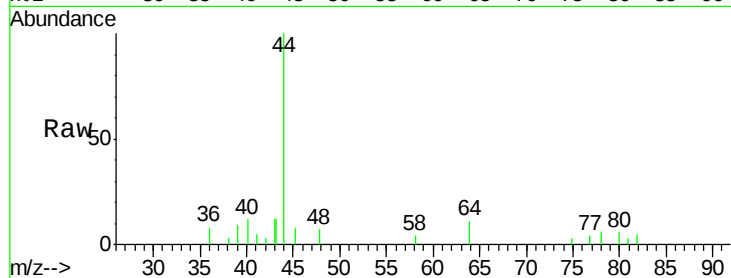
VX0721MBL01

Tot Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

58 21.0 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003547.D

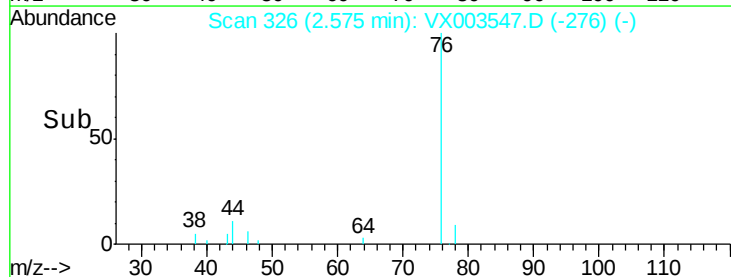
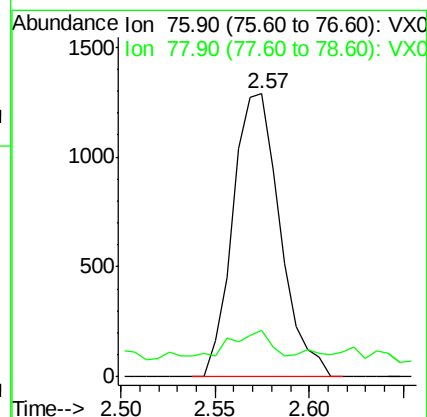
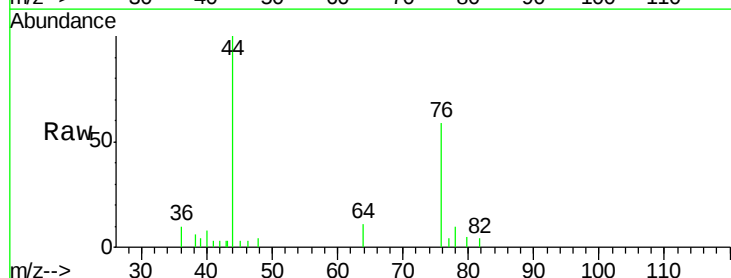
Acq: 21 Jul 2018 11:26

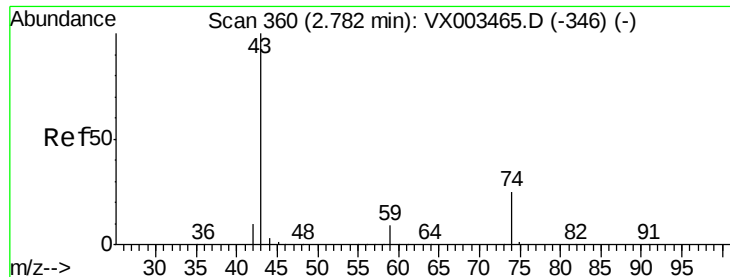
Tgt Ion: 76 Resp: 2236

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3

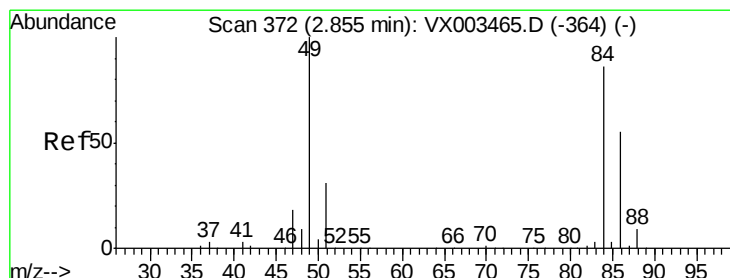
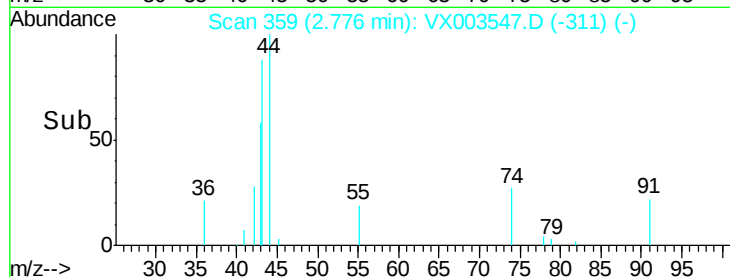
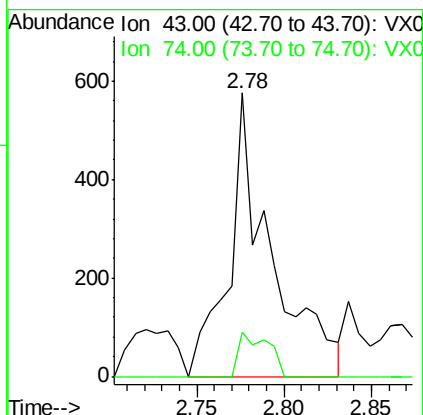
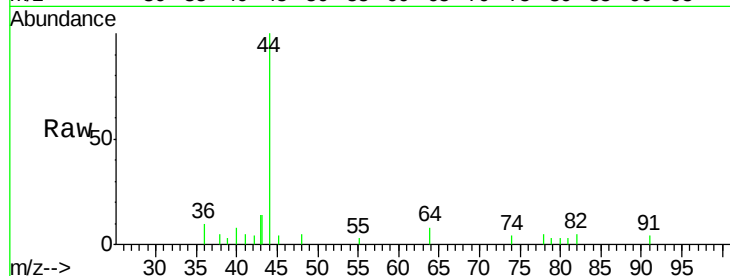




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

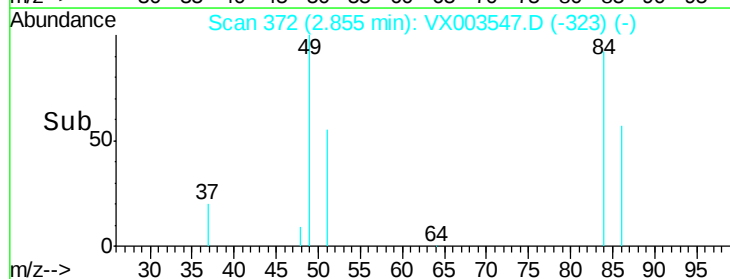
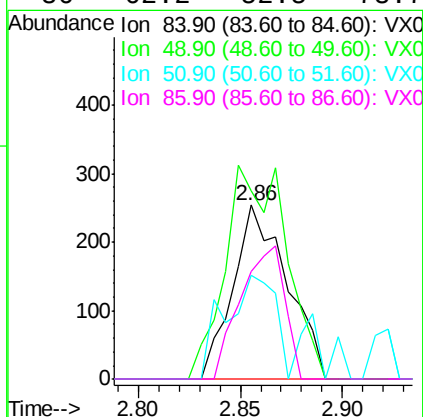
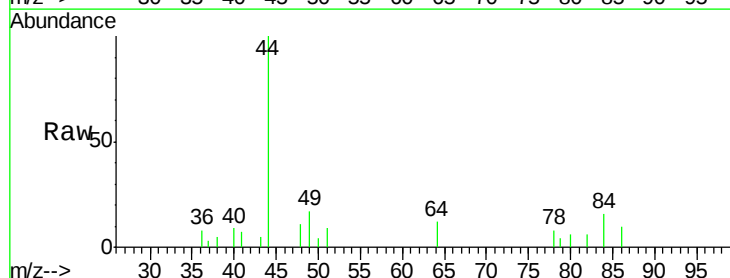
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBL01

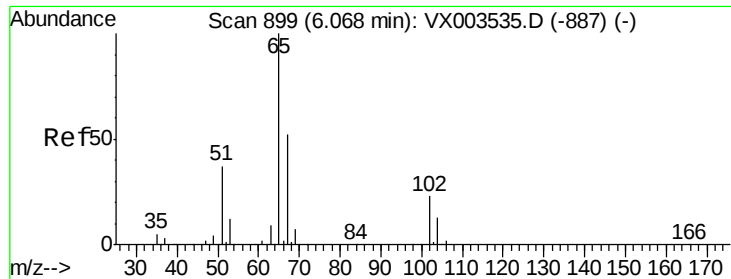
Tot Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
74 11.1 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

Tgt Ion: 84 Resp: 469
Ion Ratio Lower Upper
84 100
49 108.3 107.8 161.6
51 59.8 32.8 49.2#
86 62.2 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: 48.99 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

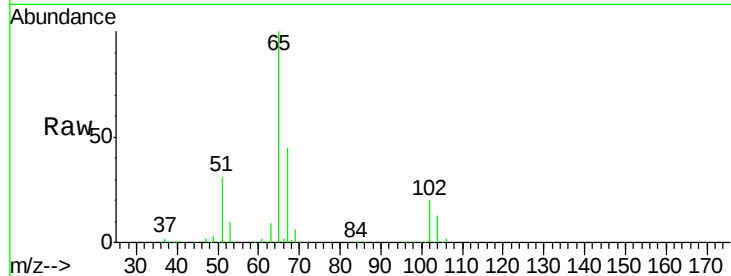
VX0721MBL01

Tot Ion: 65 Resp: 177873

Ion Ratio Lower Upper

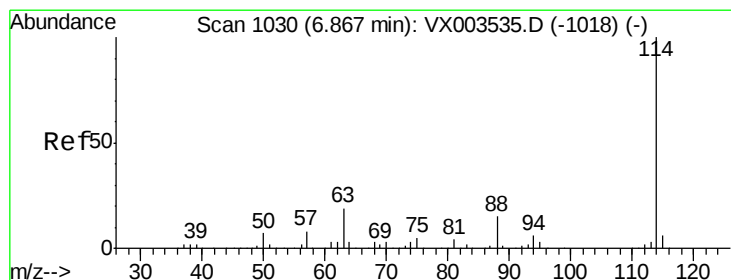
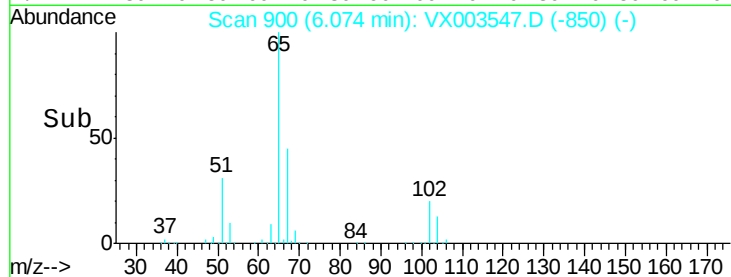
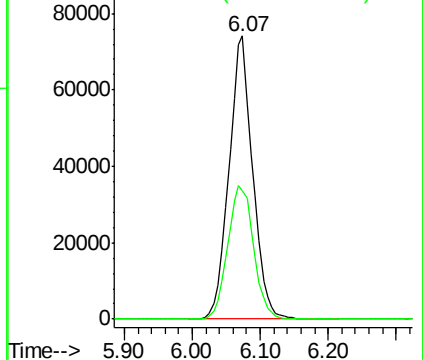
65 100

67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

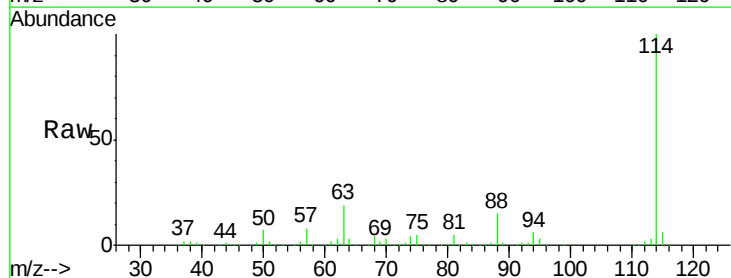
Tgt Ion: 114 Resp: 416516

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.4

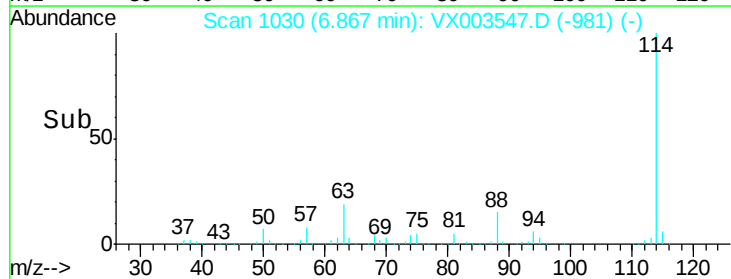
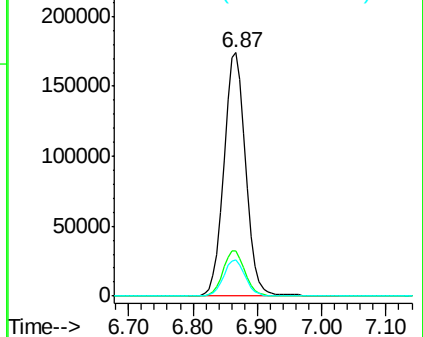
88 15.2 0.0 30.0

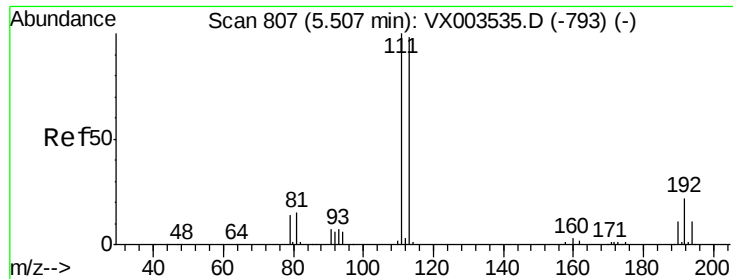


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

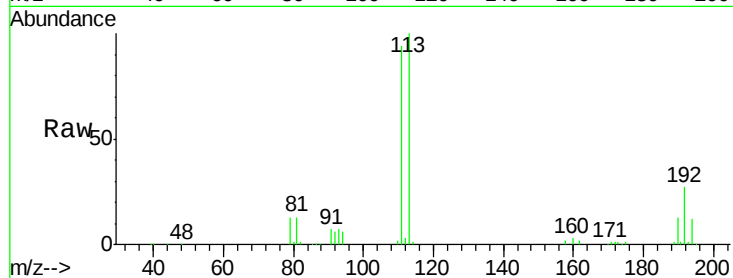




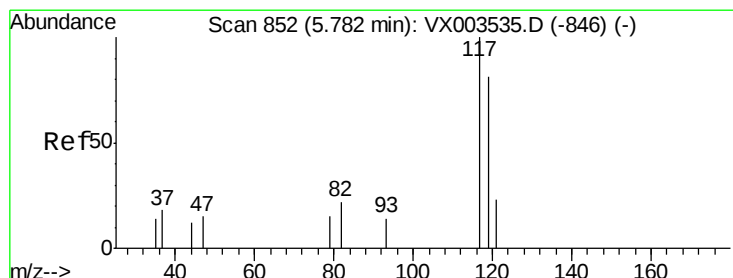
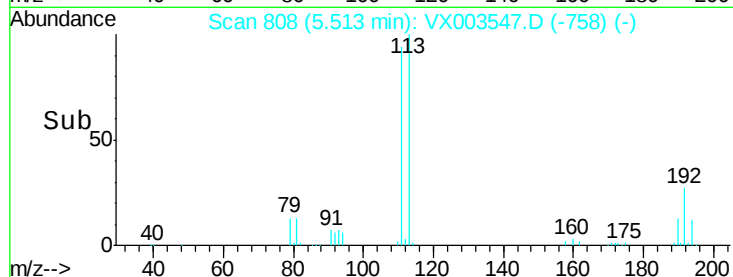
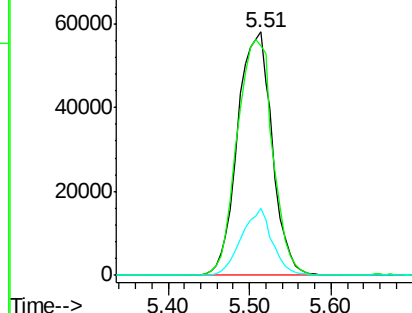
#35
 Dibromofluoromethane
 Concen: 53.67 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003547.D
 Acq: 21 Jul 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBL01

Tot Ion:113 Resp: 170265
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.4 122.0
 192 24.5 19.1 28.7

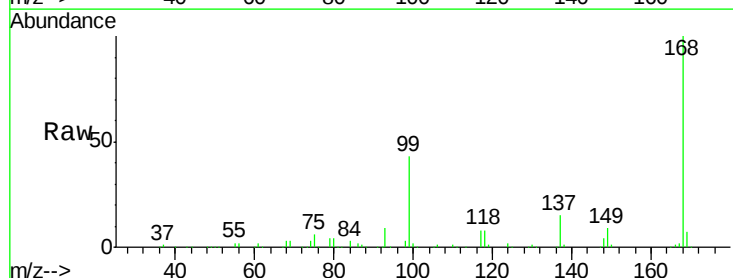


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

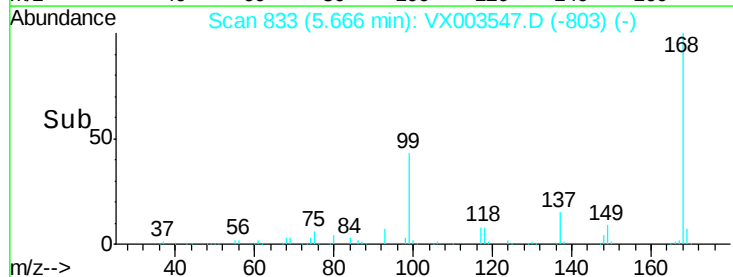
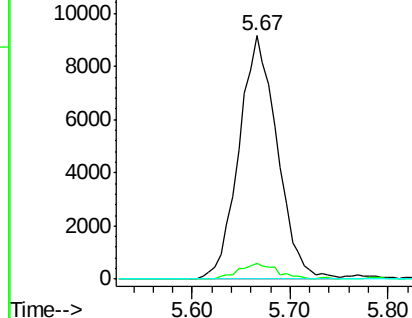


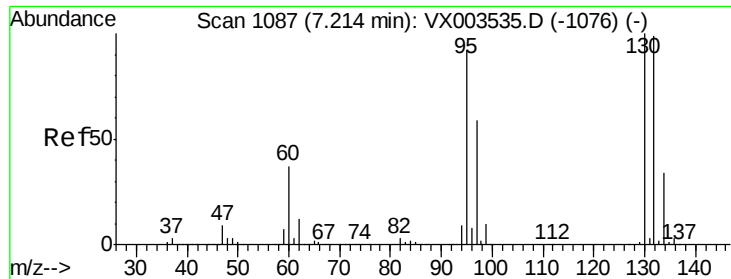
#38
 Carbon Tetrachloride
 Concen: 5.64 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003547.D
 Acq: 21 Jul 2018 11:26

Tgt Ion:117 Resp: 24892
 Ion Ratio Lower Upper
 117 100
 119 6.6 77.4 116.0#
 121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.51 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

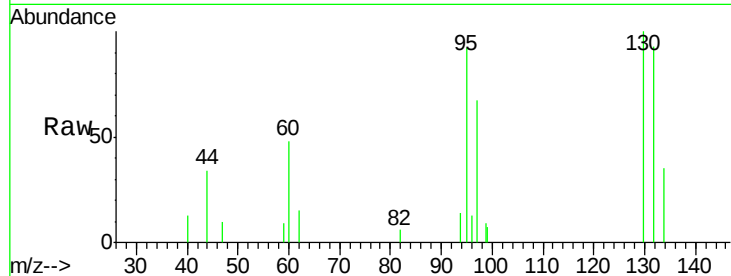
VX0721MBL01

Tot Ion:130 Resp: 2070

Ion Ratio Lower Upper

130 100

95 91.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

800

600

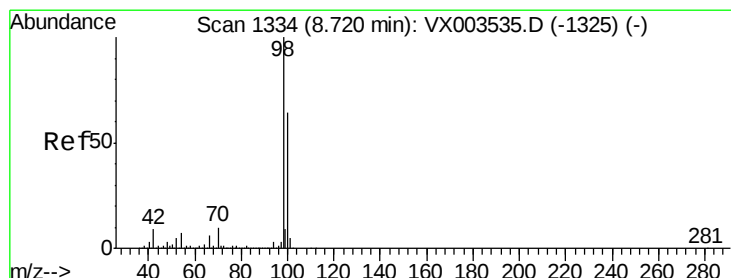
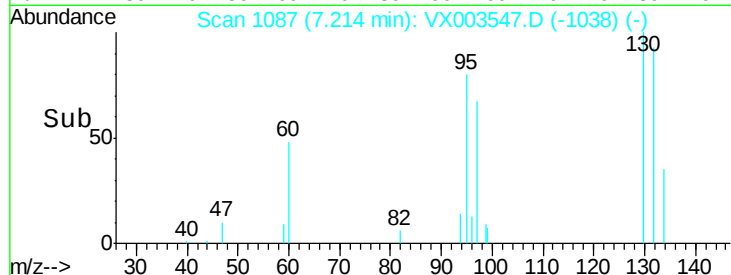
400

200

0

7.15 7.20 7.25 7.30

Time-->



#50

Toluene-d8

Concen: 49.25 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003547.D

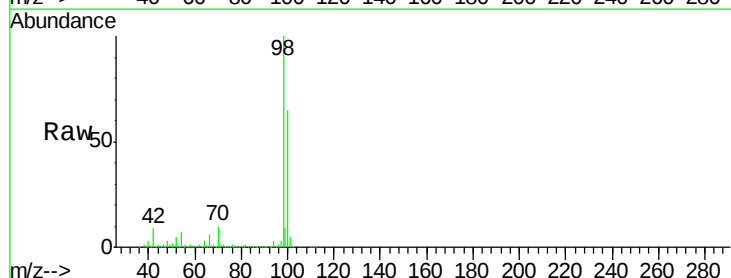
Acq: 21 Jul 2018 11:26

Tgt Ion: 98 Resp: 587294

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

400000

300000

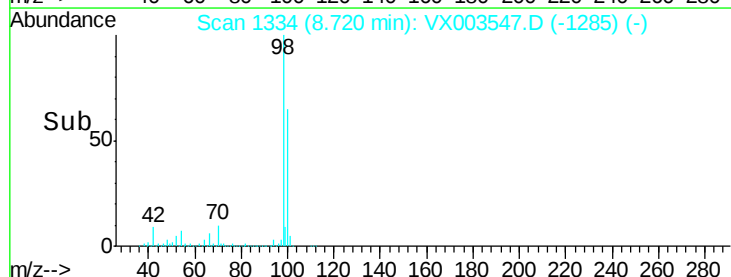
200000

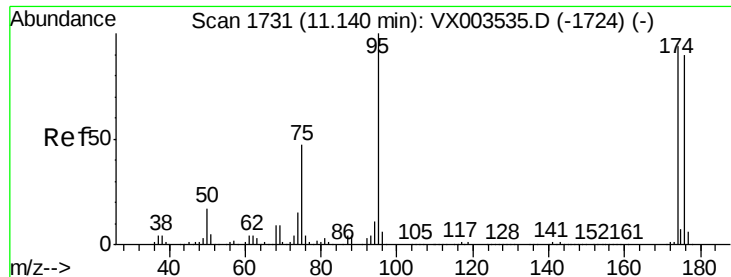
100000

0

8.60 8.70 8.80 8.90

Time-->

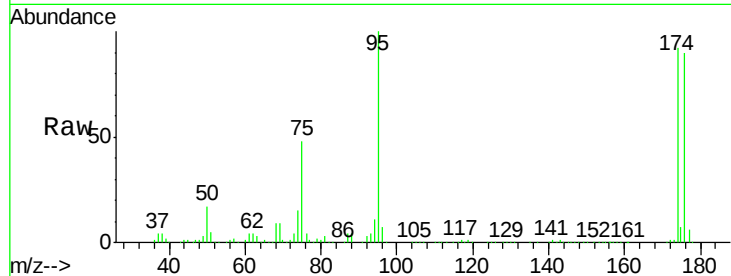




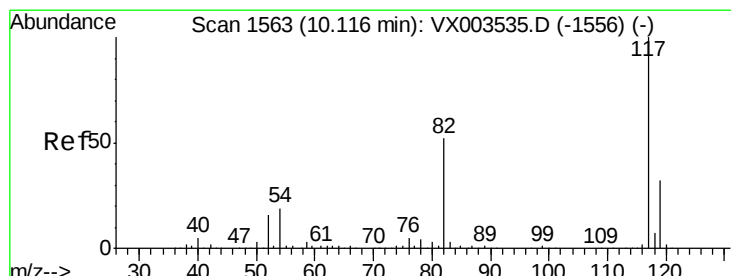
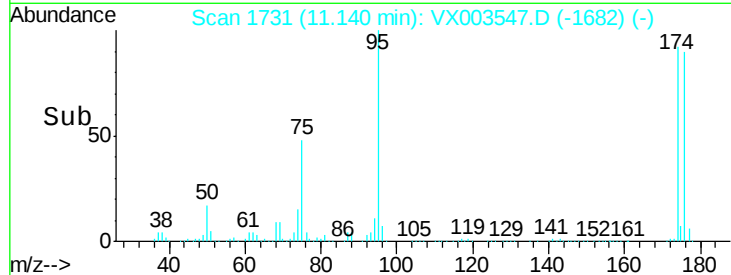
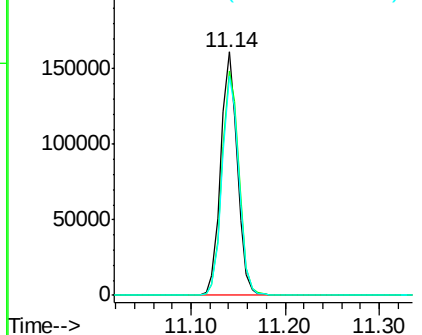
#62
4-Bromofluorobenzene
Concen: 45.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBL01

Tot Ion: 95 Resp: 197186
Ion Ratio Lower Upper
95 100
174 95.0 0.0 187.4
176 91.3 0.0 181.0

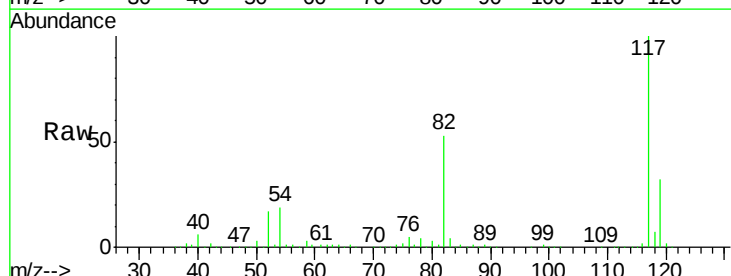


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

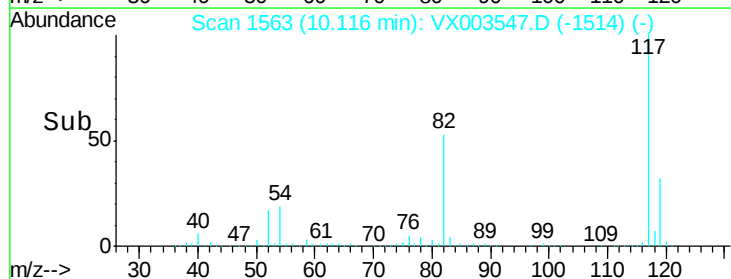
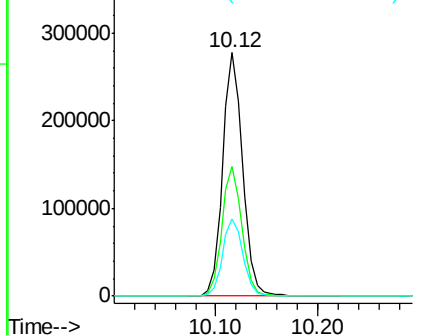


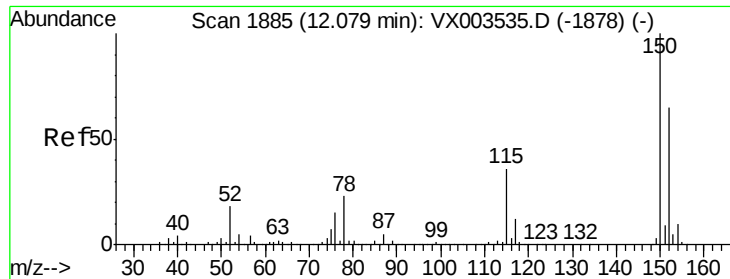
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003547.D
Acq: 21 Jul 2018 11:26

Tgt Ion: 117 Resp: 379604
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBL01

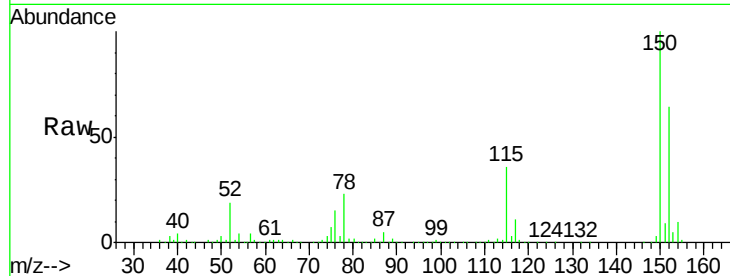
Tot Ion:152 Resp: 207764

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

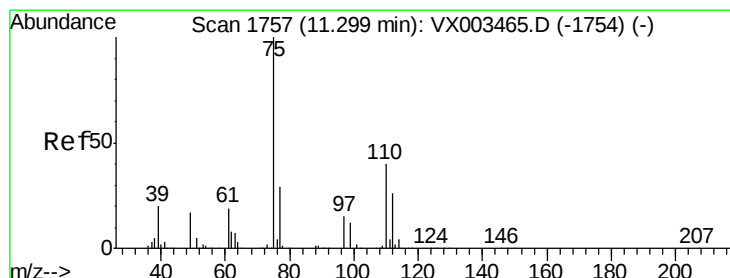
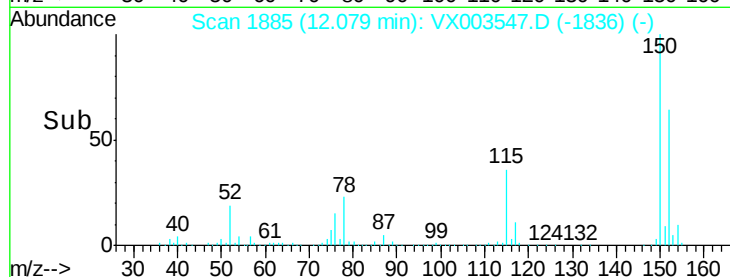
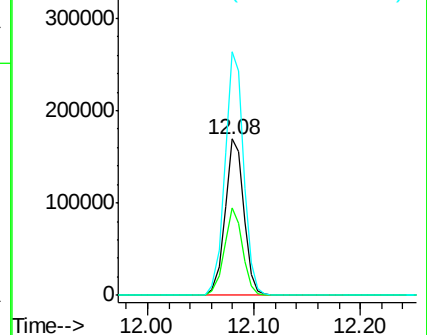
150 155.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003547.D

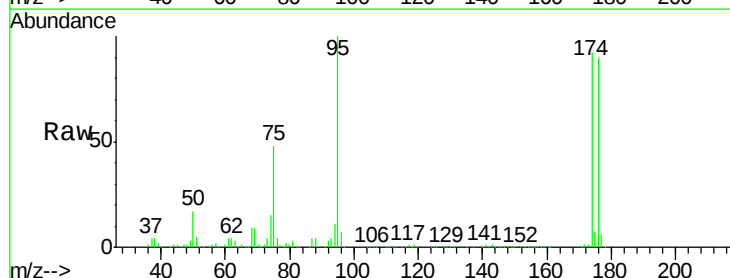
Acq: 21 Jul 2018 11:26

Tgt Ion: 75 Resp: 94251

Ion Ratio Lower Upper

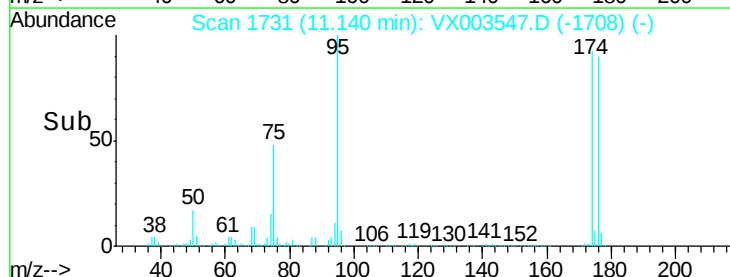
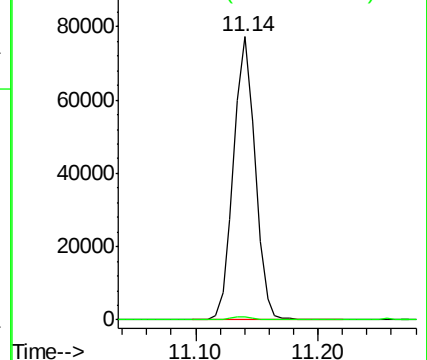
75 100

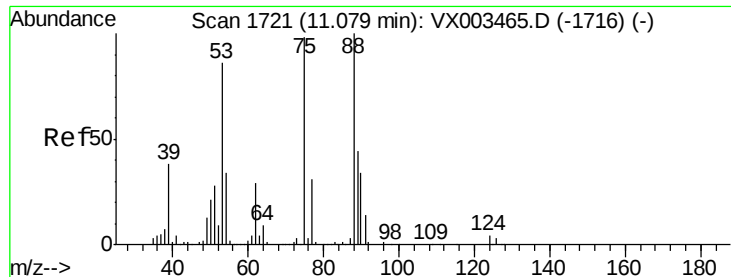
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003547.D

Acq: 21 Jul 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBL01

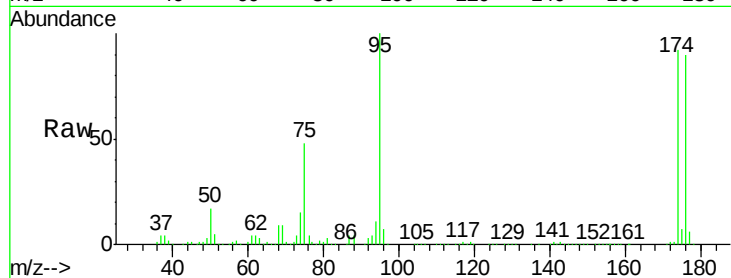
Tot Ion: 75 Resp: 94251

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

